

FIG. 2 (200) - ACCESSING A RESOURCE BY A PRIOR ART LOCAL PROCESS

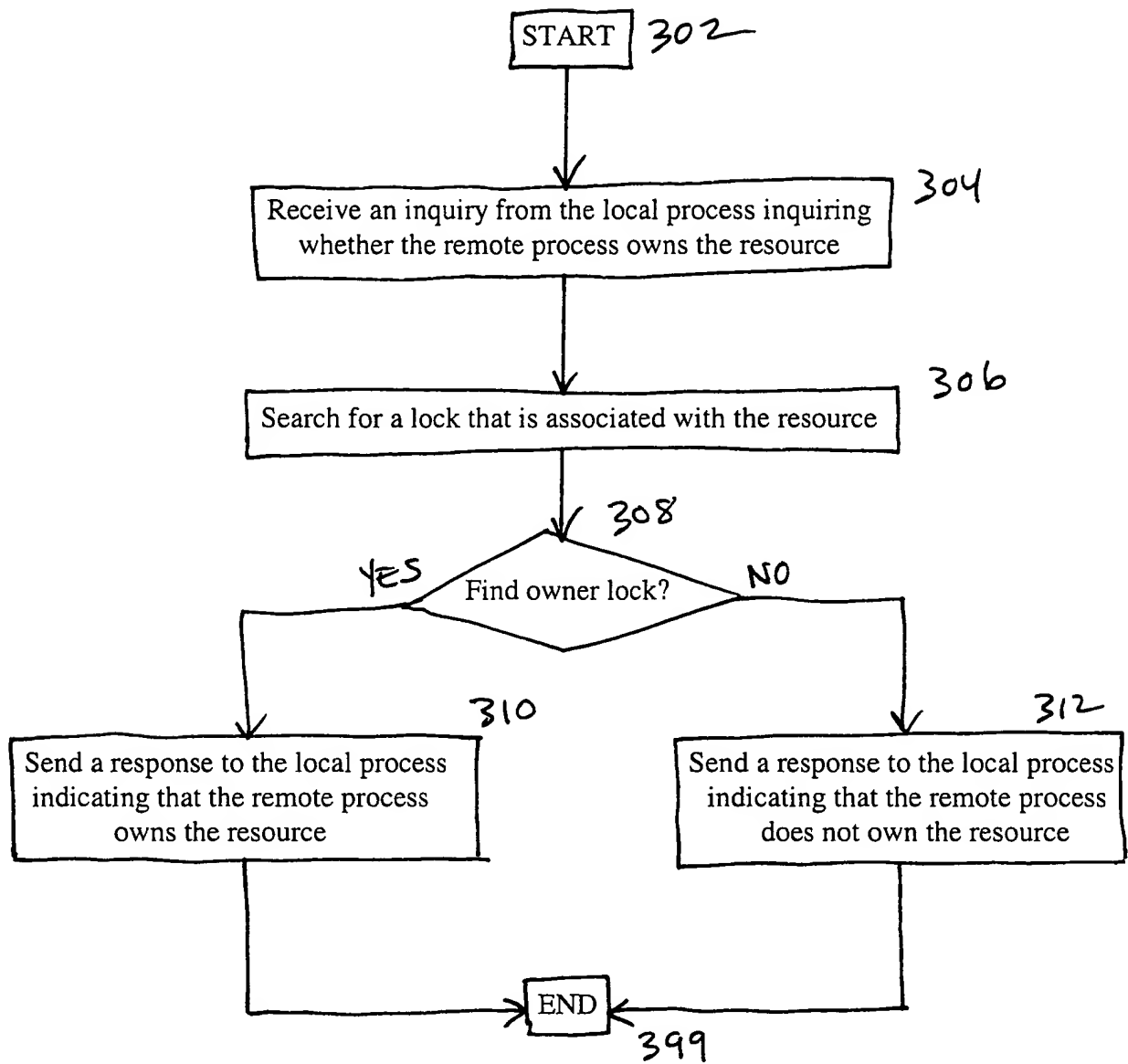


FIG. 3 (300) - PROCESSING AN INQUIRY BY A PRIOR ART REMOTE PROCESS

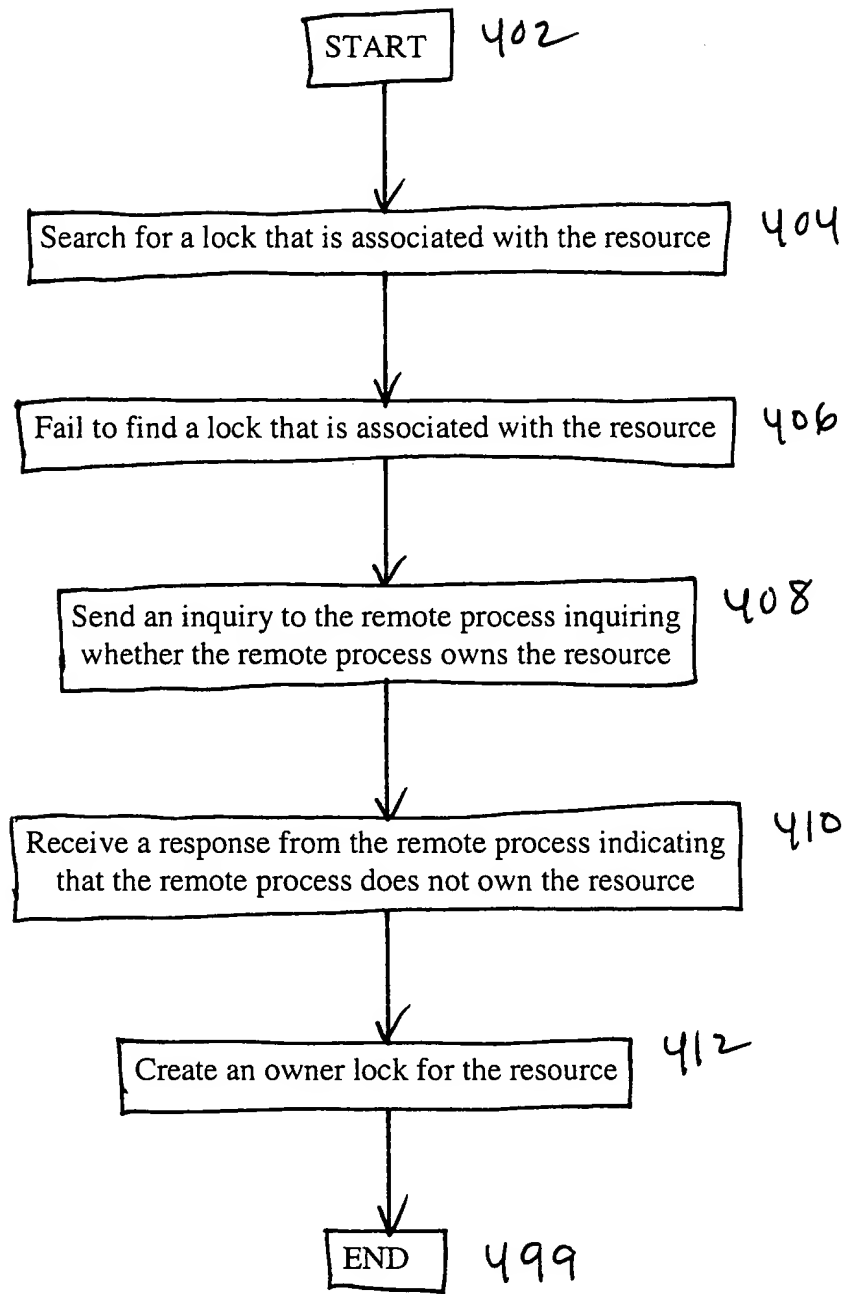


FIG. 4 (400) - CREATING AN OWNER LOCK BY A LOCAL PROCESS

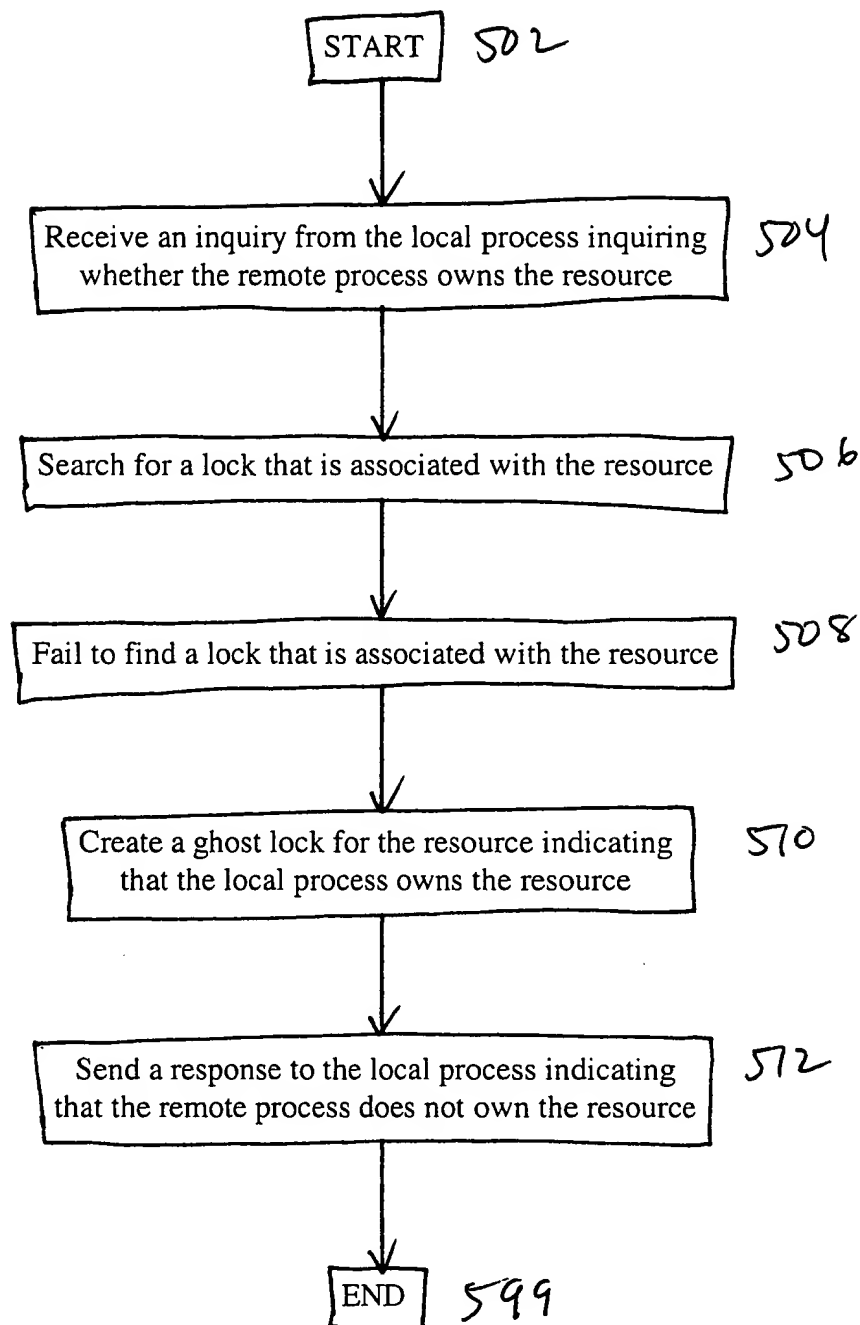


FIG. 5 (500) - CREATING A GHOST LOCK BY A REMOTE PROCESS

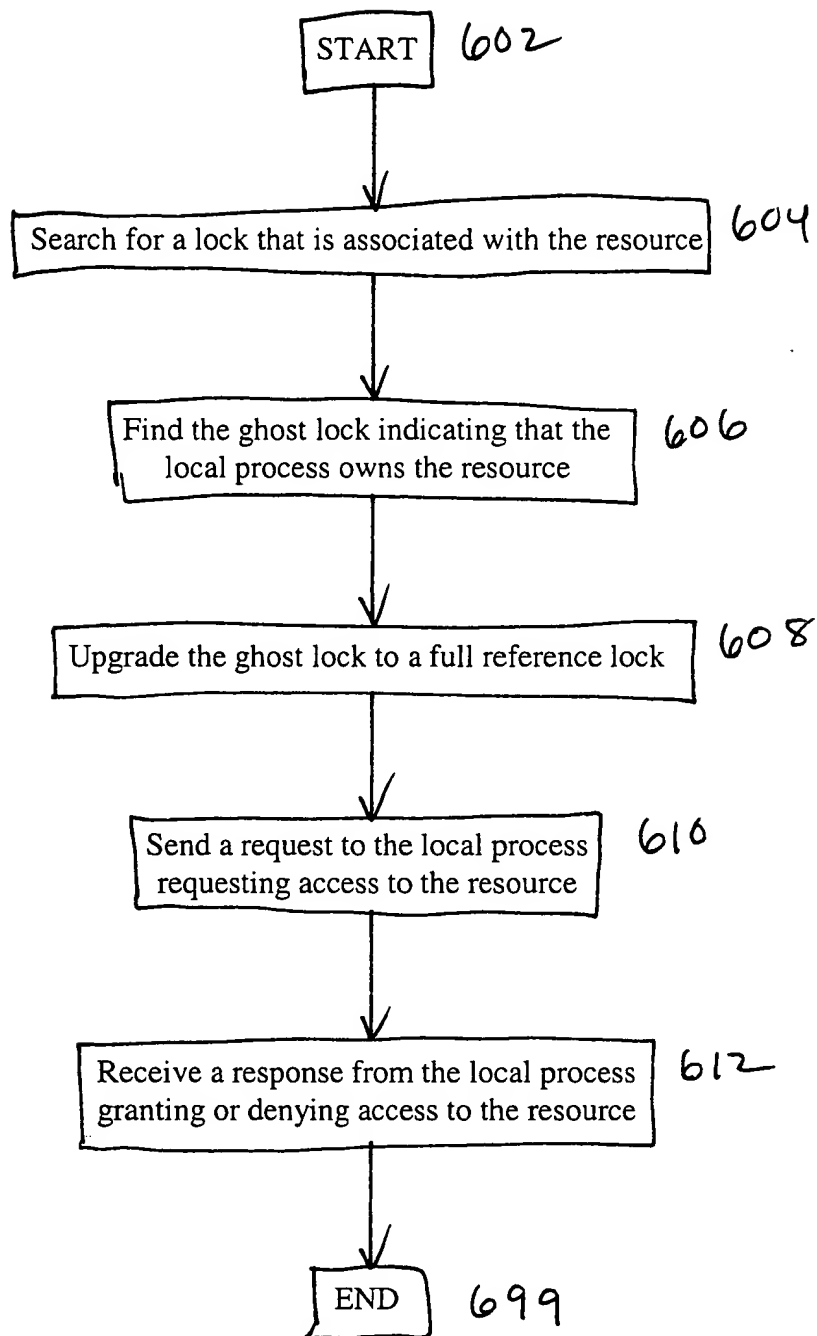


FIG. 6 (600) - UPGRADING A GHOST LOCK TO A REFERENCE LOCK

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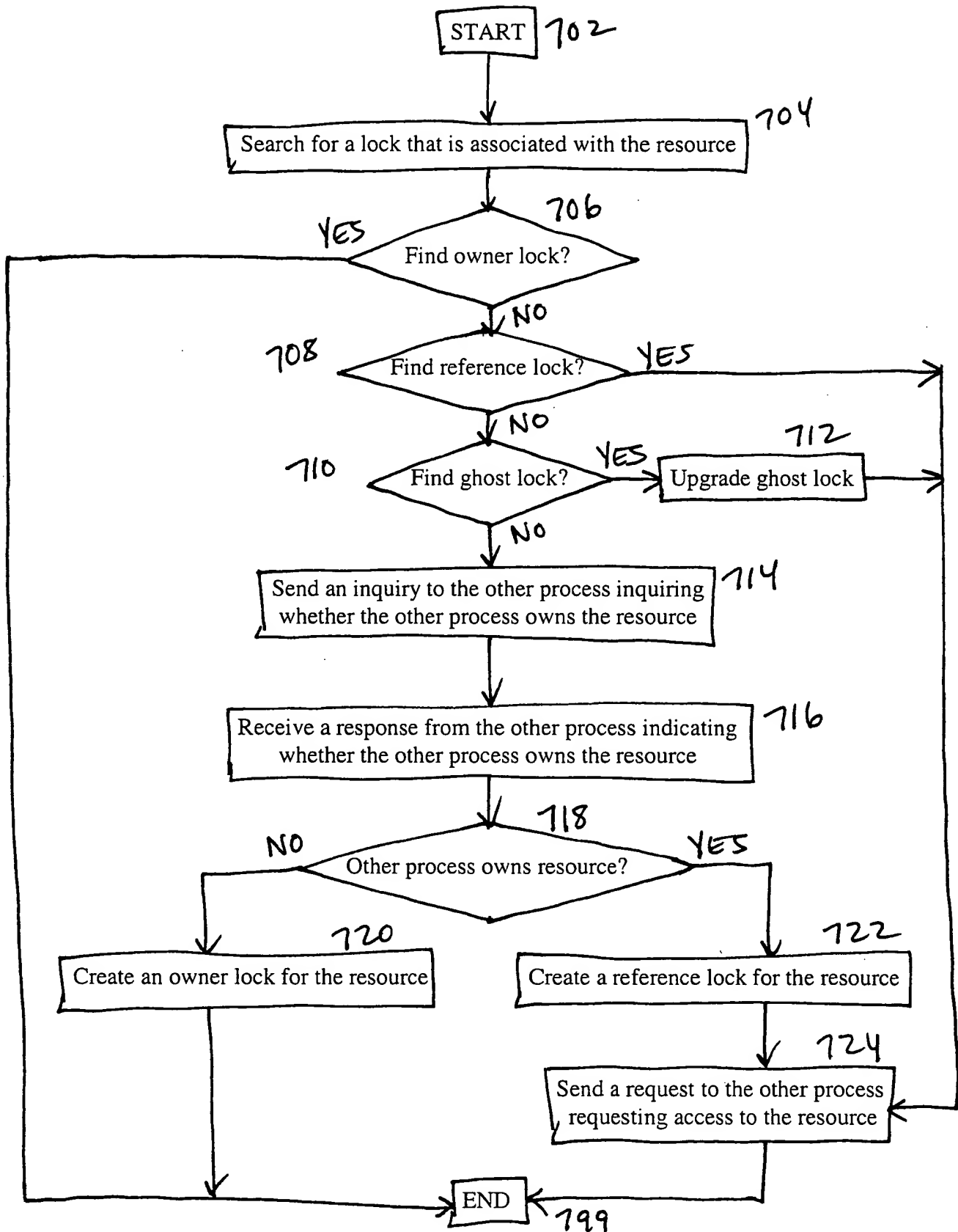


FIG. 7 (700) - ACCESSING A RESOURCE

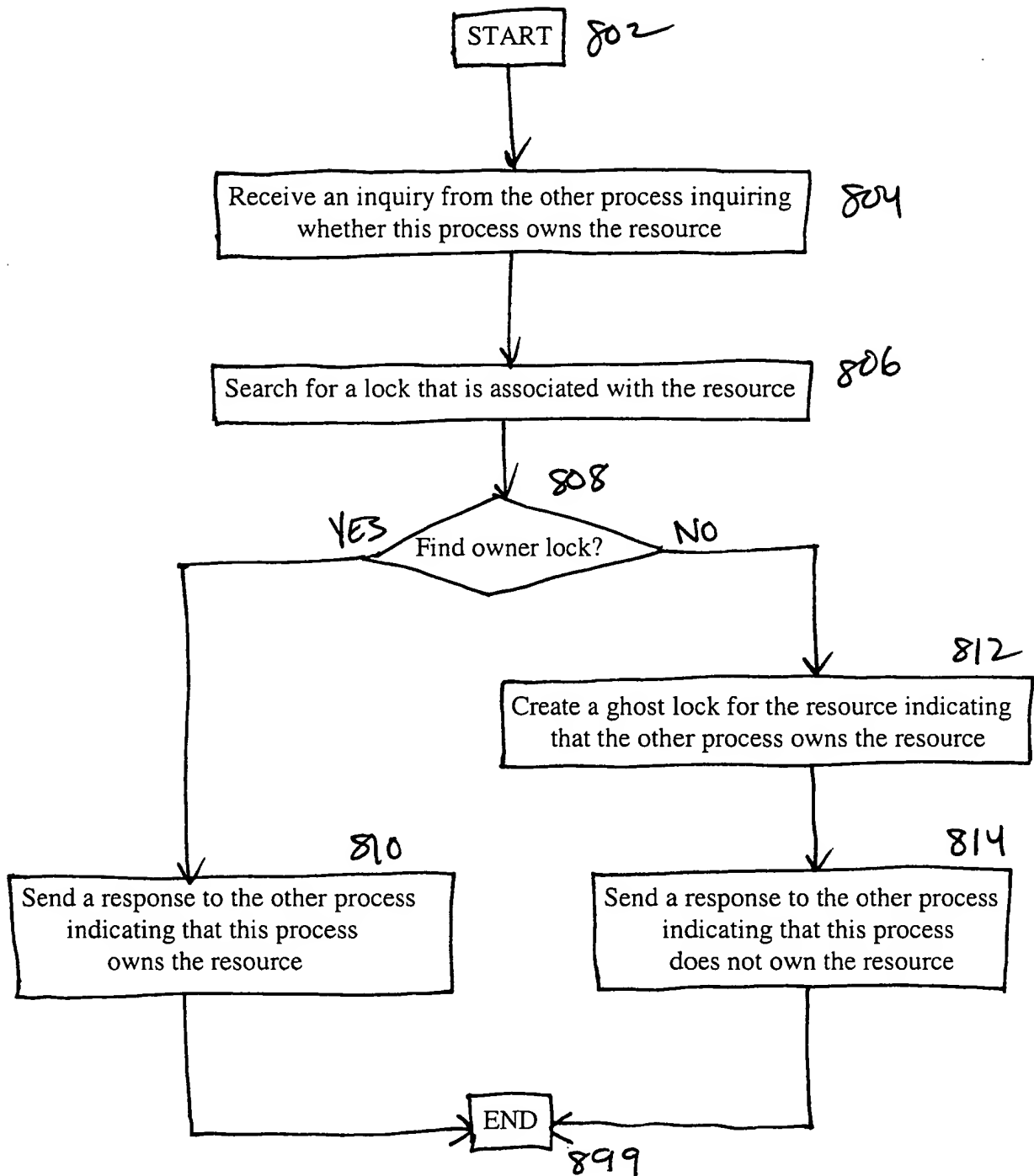


FIG. 8 (800) - PROCESSING AN INQUIRY

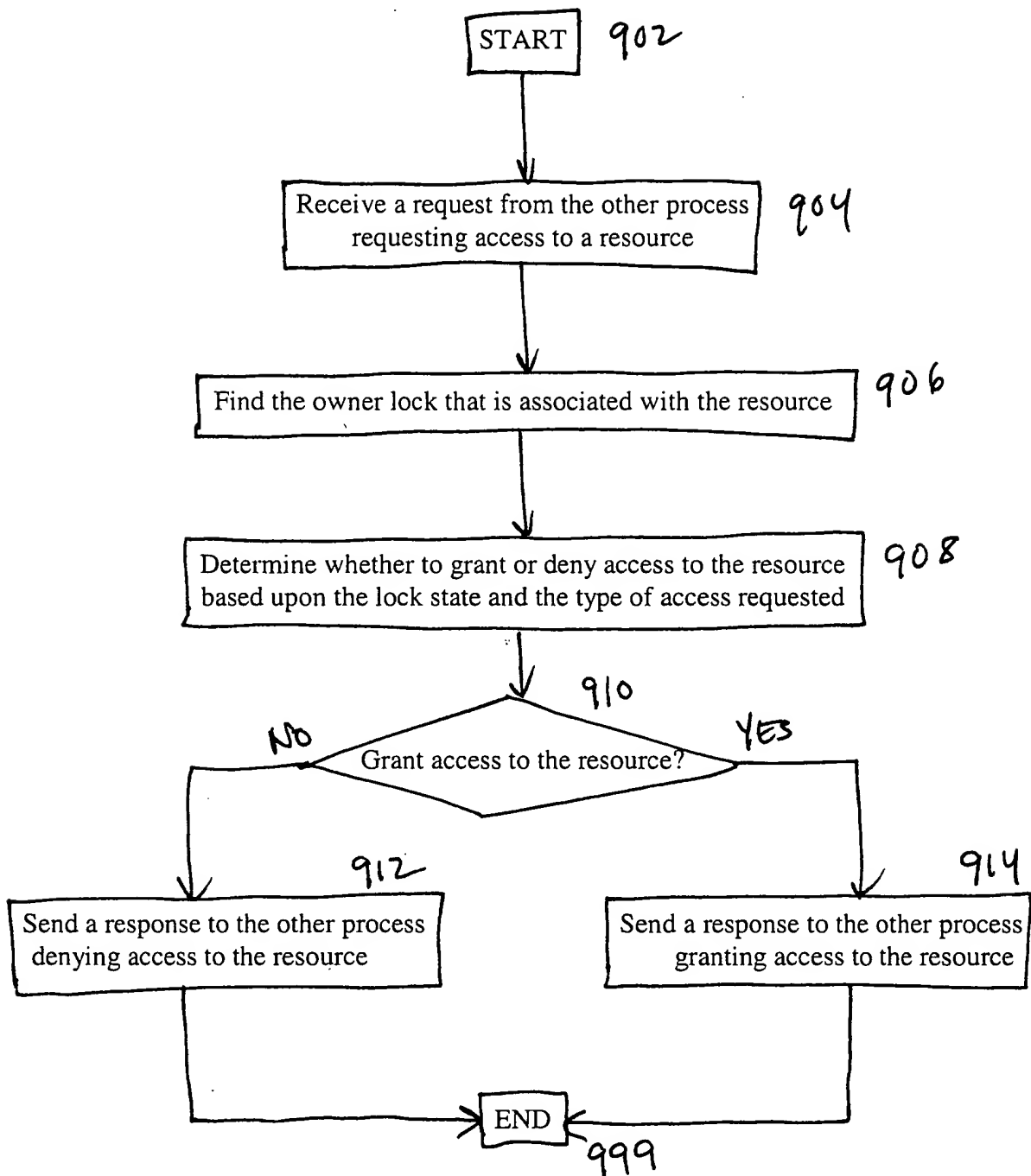


FIG. 9 (900) - PROCESSING A REQUEST

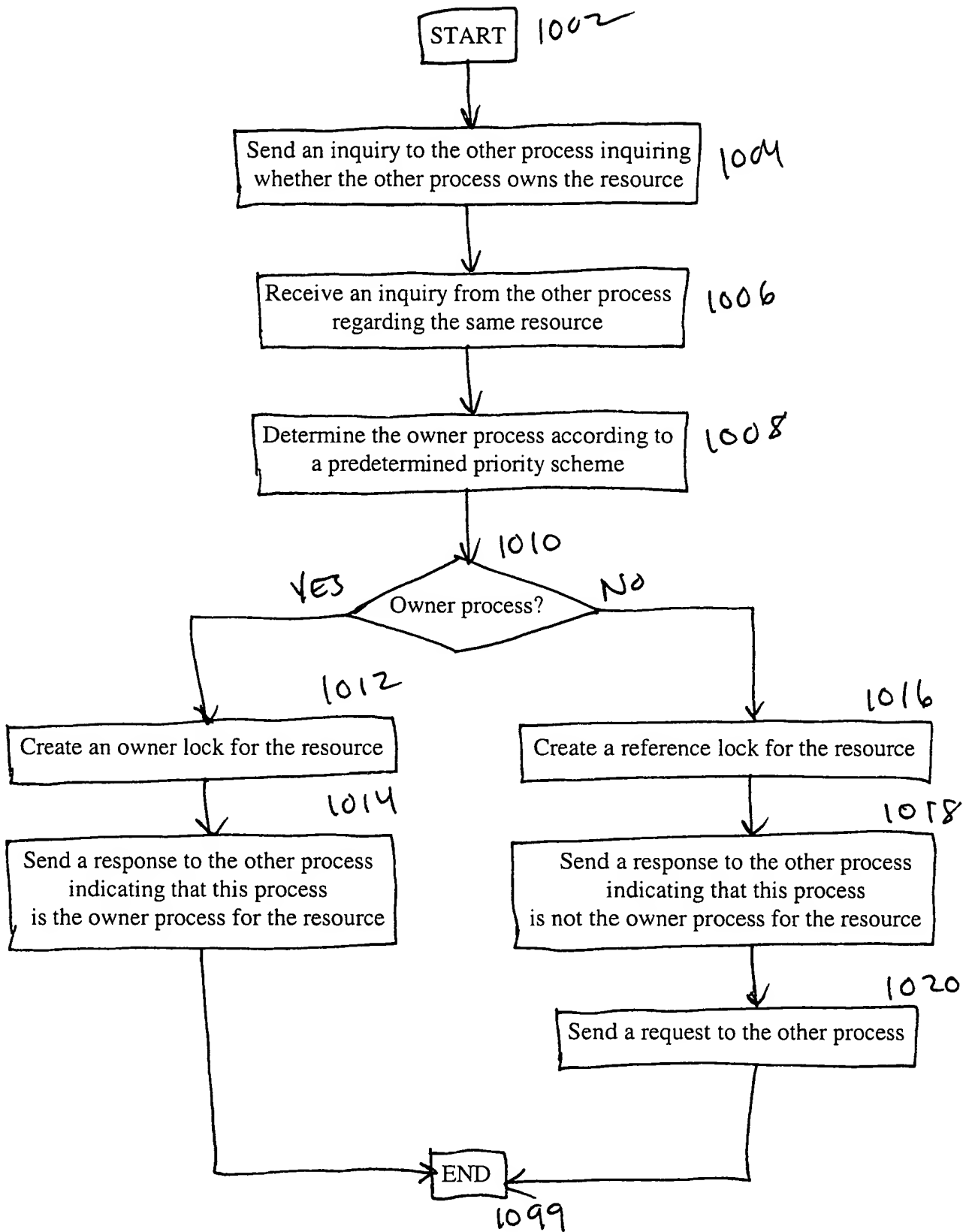


FIG. 10 (1000) - RESOLVING A COLLISION CONDITION

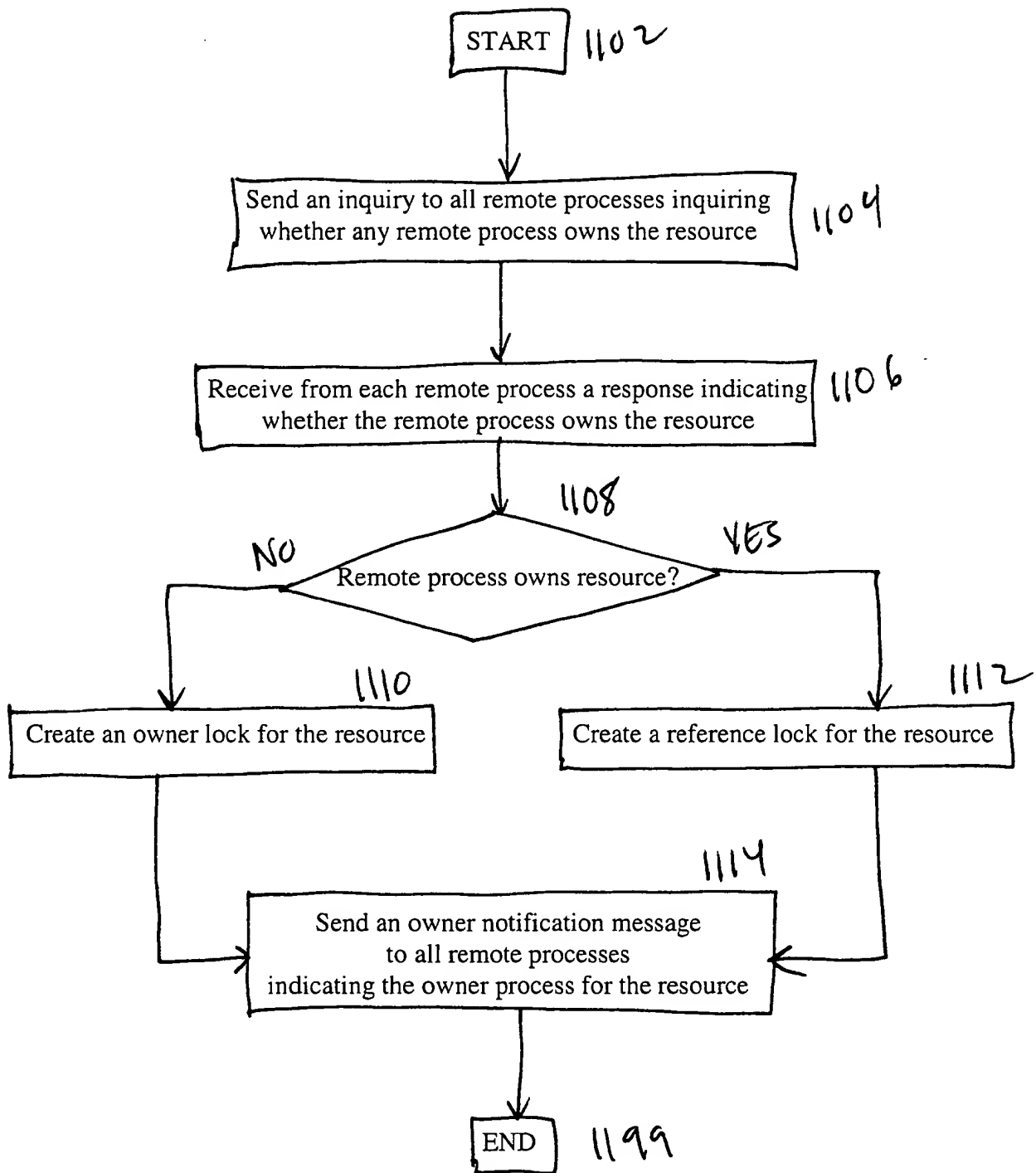


FIG. 11 (1100) - EXPLICIT NOTIFICATION MECHANISM TO DETERMINE OWNER

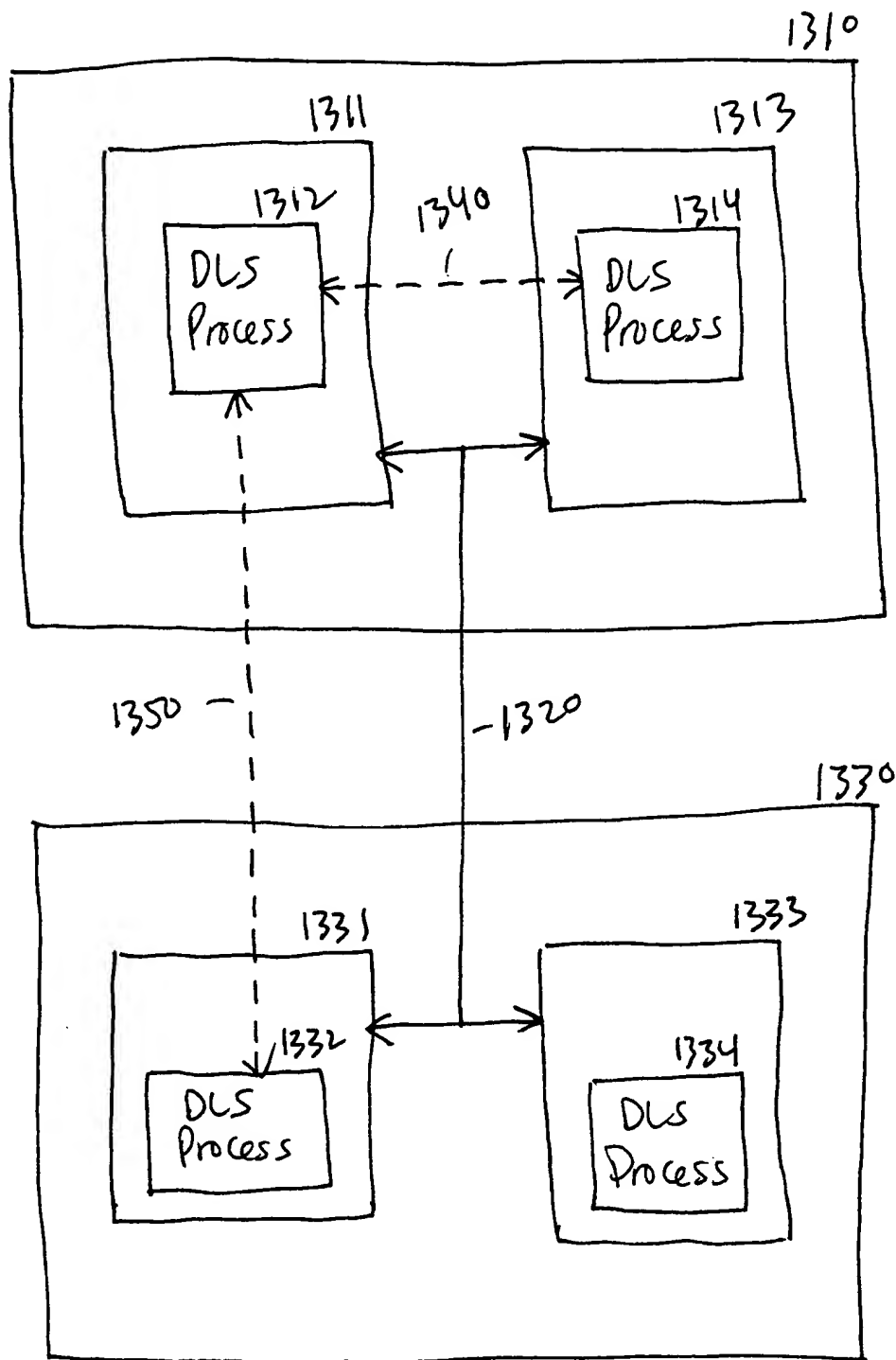


FIG. 13

1300

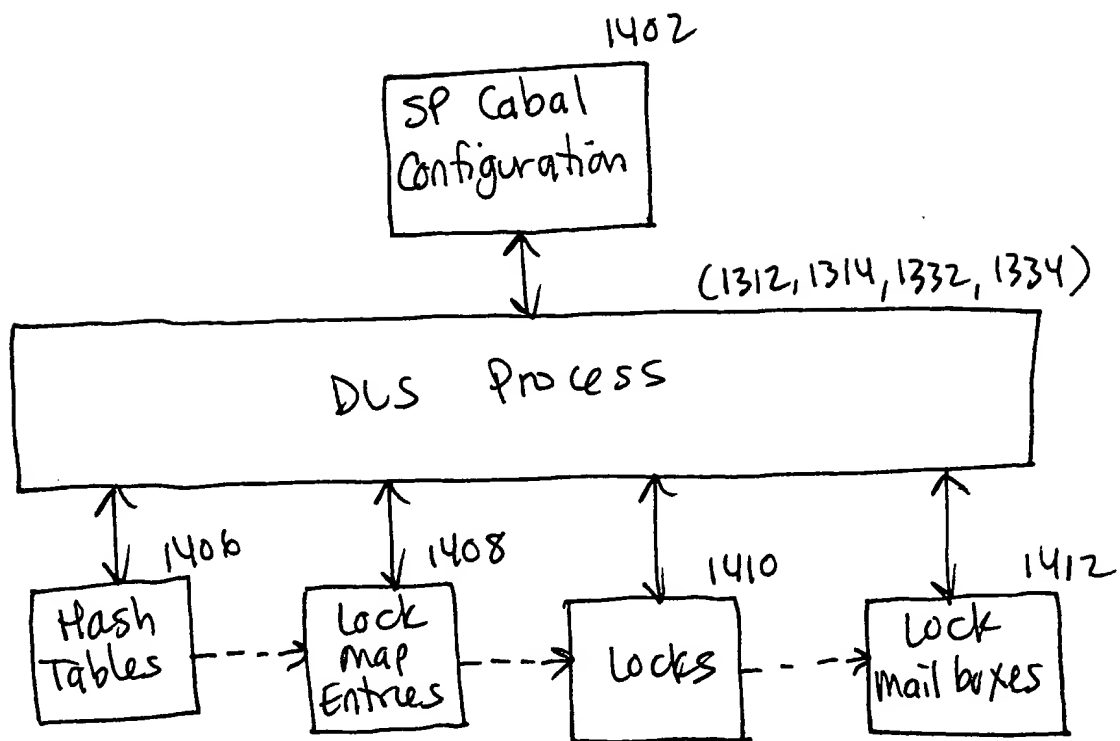


FIG. 14

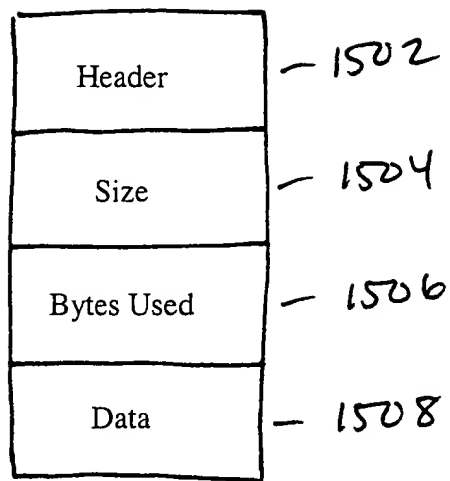


FIG. 15 (1500) - LOCK MAILBOX DATA STRUCTURE

00110-00000000

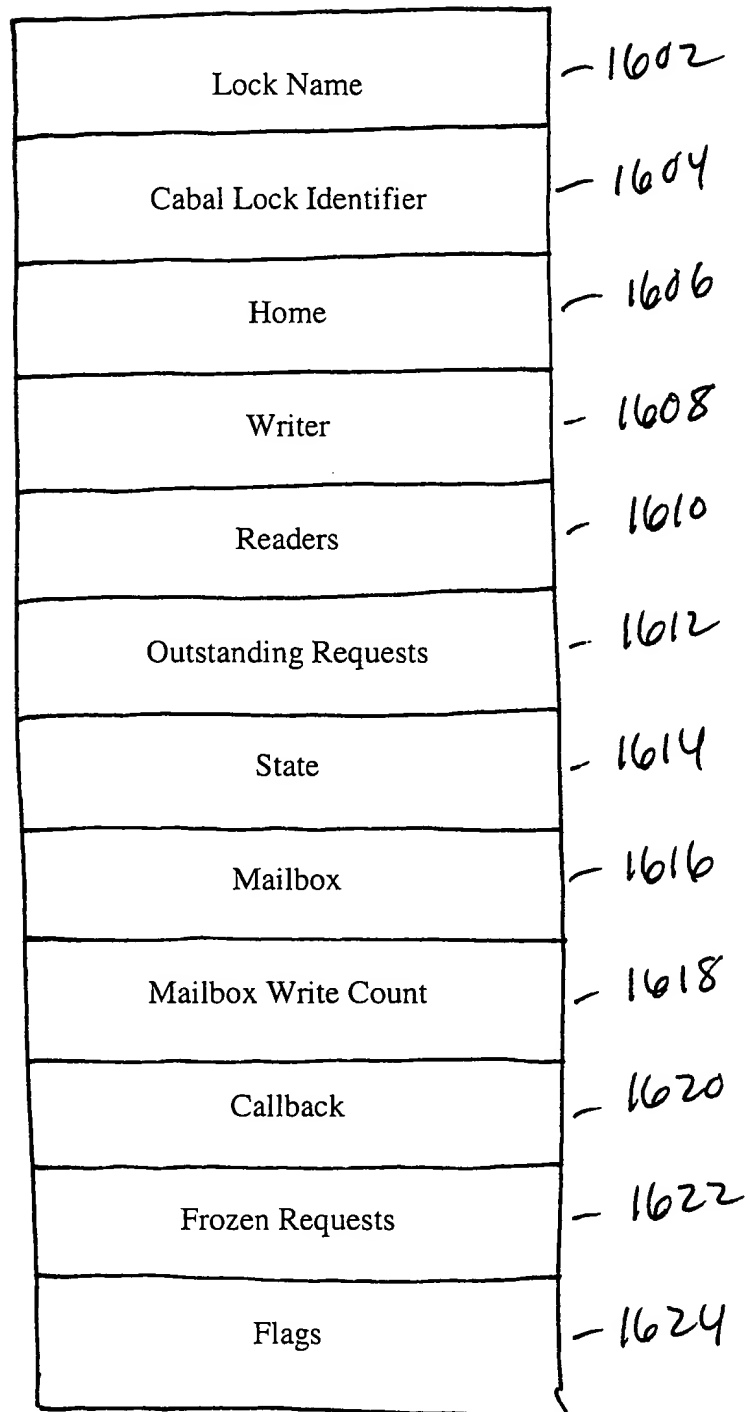


FIG. 16 (1600) - LOCK DATA STRUCTURE

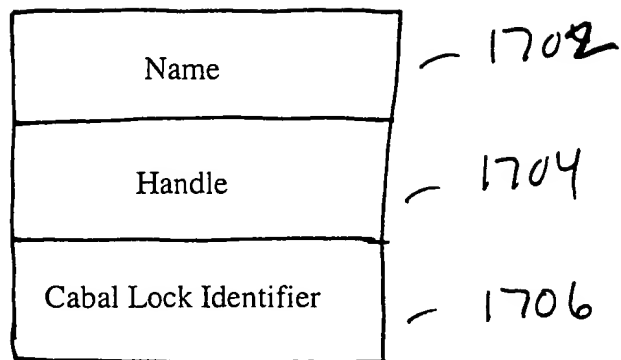


FIG. 17 (1700) - LOCK MAP ENTRY DATA STRUCTURE

Lock Name indicates the name of the lock	-1802
Cabal Lock Identifier indicates the cabal-wide identifier for the lock	-1804
Home indicates the owner of the lock	-1806
Writer indicates any SP that reserved the resource for writing	-1808
Readers indicates any SP(s) that reserved the resource for reading	-1810
Outstanding Requests lists any outstanding requests for the lock	-1812
State indicates the state of the lock	-1814
Mailbox points to a corresponding lock mailbox	-1816
Mailbox Write Count indicates the number of write accesses granted	-1818
Callback indicates a callback routine	-1820
Frozen Requests lists any requests received while lock is frozen	-1822
Flags	-1824

FIG. 18 (1800) - OWNER/REFERENCE LOCK

Lock Name indicates the name of the lock	-1902
Cabal Lock Identifier indicates the cabal-wide identifier for the lock	-1904
Home indicates the owner of the lock	-1906
Writer = NULL	-1908
Readers = NULL	-1910
Outstanding Requests = NULL	-1912
State indicates that the lock is a ghost lock	-1914
Mailbox = NULL	-1916
Mailbox Write Count = NULL	-1918
Callback = NULL	-1920
Frozen Requests = NULL	-1922
Flags = NULL	-1924

FIG. 19 (1900) - GHOST LOCK